

## **Fairchild Air Force Base PFAS Summary and Update:**

### ***Site Information***

**Site Name:** Fairchild Air Force Base

**EPA ID:**

Craig Road Landfill – WAR000000992

On-Base – WA9571924647

**Site Characteristic:** Federal Facility

**Assigned RPM:** Kim Presto

**NPL Status:** Final – Listed on the NPL

**PFAS Detected?:** Yes

**PFAS Concentrations:** Concentrations are greater than OW LHA for PFOA and/or PFOS. We've not seen lab reports. I assume it varies. In some cases concentrations exceed for both, in some cases exceeds for one but not the other.

**Site Investigation:** Site Investigation has been completed with focus on groundwater sampling from existing gw monitoring wells.

**Sampling:** Sampling of drinking water wells (private residential and municipal wells) has been conducted offsite.

**Interim Measures:** Bottled water has been provided for all private wells exceeding HA. Municipal wells at Airway Heights with concentrations exceeding the HA have been taken off-line and municipal distribution systems were temporarily tied to Spokane Regional water supply.

TCRA was authorized to begin design and installation of in-line GAC filters for residential wells

TCRA is currently under review to add GAC and/or resin filters for one impacted municipal line that will be used seasonally to augment water supplies.

**Delineation:** Delineation of contamination is not complete

**Consultation:** Consultation has been completed with HQ.

### ***Summary of Previous and Current Actions***

Previous PFAS actions conducted to date include the following.

- 2015 PFAS PA: Sixteen areas where AFFF was potentially stored, handled, used or released were identified, of those 16 areas; three were identified for further investigation through an SI;
- February 2017 initial SI investigation: PFOS and PFOA were identified at concentrations above the HAs in groundwater from five existing groundwater monitoring wells within the former FTA FT004 (FT01), including four wells at the eastern base boundary;
- April 2017 Phase 1: Sampling of 24 residential wells resulted in 18 residential wells with water concentrations of PFOS and/or PFOA above the HA;
- April/May 2017 – EPA PM consults with HQ
- April 2017 Air Force emergency response action to provide bottled water to affected residents;
- May 2017 Phase 2: Sampling of 27 residential wells, 2 monitoring wells, and 4 municipal supply wells resulted in 3 residential wells and 2 municipal supply wells with water concentrations of PFOS and PFOA above the HAs;
- June 2017 Phase 3: Sampling of 12 on-base monitoring wells and 5 off-base monitoring wells in the vicinity of the Craig Road Landfill resulted in 3 wells on the northern boundary of the base with PFOS and/or PFOA above the HA; and sampling of 1 additional off-base residential well

(north of the city of Airway Heights, near a city water tower) and effluent from the City's wastewater treatment plant also indicated concentrations of PFOS and/or PFOA above the HA;

- May and June 2017: USAF emergency response action to provide bottled water distribution to residents with private wells exceeding the HA, and bottled water distribution to residents of the City of Airway Heights in cooperation with City efforts; and
- May 2017: On-base SI at five AFFF areas identifying absence or presence of PFAS in soil and groundwater.
- July 2017 and through January 2018: Ongoing identification and sampling of private wells to the south, southeast, northwest, north, and northeast of the base; over 330 private wells have been sampled, with approximately 75 wells showing concentrations of PFOS and/or PFOA exceeding the HA value as of January 2018.
- In addition, private wells with detections of PFOS and/or PFOA below the HA value have been sampled on a quarterly basis to monitor concentrations over time.

Current PFAS actions include the following activities.

- Additional on- and off-base sampling of monitoring wells, residential wells, and/or municipal wells (as appropriate) to evaluate the potential for additional users of groundwater containing PFOS and/or PFOA above the HA; sampling of additional residential wells is currently underway.
- Periodic resampling of residential wells with detectable PFOS and/or PFOA below the HA.
- Development of conceptual design of in-home water treatment systems for residential wells testing above the HA, as presented in a separate Action Memorandum dated October 2017 (Air Force 2017c).
- Continuation of the program to provide bottled drinking water to residences and businesses testing above the HA.
- Continued use of City of Spokane water to supply the City of Airway Heights until municipal water can be treated for PFAS.
- February 2018 Draft Final TCRA provided to EPA for review for design and installation of GAC system for municipal well #9 at Airway Heights. Plan for installation in spring 2018 in preparation for summer peak water demand season.